NOVEMBER/DECEMBER 2024

GCA31/DCA31 — ADVANCE JAVA PROGRAMMING

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is an Applet?

2. What is Applet security manager, and what does it provide?

3. What is JDBC?

4. What is the role of the JDBC Driver Manager class.?

5. What is different between Iterator and ListIterator?

6. How to decide between HashMap and TreeMap?

7. What is JSP?

8. What is the difference between JSP and Javascript?

9. What are the prerequisites of being a Web developer?

10. What is ETag, and how does it function?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Explain the life cycle of an Applet.

Or

(b) What are the restrictions imposed on Java applets? Discuss.

12. (a) Explain the different drivers of JDBC.

Or

(b) Describe the differences between JDBC and ODBC.

13. (a) What is difference between ArrayList and LinkedList? Discuss.

Or

(b) Explain the advantages of Java design pattern.

14. (a) Describe the Life cycle of a Servlet.

Or

(b) Why do we need Servlet Filter? Discuss.

15. (a) What is Ajax? Enlist some of its utilities.

Or

(b) What are CSS box model components? Explain.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the difference between an Applet and an Application.

17. Explain the JDBC API components.

18. Discuss on the Design patterns in Java.

19. What is the workflow of a Servlet? Explain.

20. Describe the key responsibilities of a Web Developer.

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